

EAST - [interface\_navigator.wsp:1]

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 L1: (374) in  
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Detailed Description Text - DETX (5):

In order to implement wireless communication link, communication means 35 is a wireless transceiver which transmits/receives the electromagnetic signals forming link 36, while at port 38 there is a compatible wireless transceiver to receive/transmit the same signals. Two typical wireless transceivers are the infrared-light (IR ), such as those used in standard IR devices, and the radio frequency (RF), such as those used in cordless telephones or in conventional RF transmitters and receivers.

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	U	I	Document I	Issue Da	Page	Title	Current O	Current XR	Retriev-
15	<input type="checkbox"/>	<input type="checkbox"/>	US 6232880 B1	20010515	18	Animal control system using global positioning and instrume	340/573.3	119/421; 119/721;	
16	<input type="checkbox"/>	<input type="checkbox"/>	US 6219730 B1	20010417	15	Method and apparatus for producing a combined data strea	710/62	341/50; 345/157;	
17	<input checked="" type="checkbox"/>	<input type="checkbox"/>	US 6209011 B1	20010327	14	Handheld computing device with external notification system	708/112	708/135; 710/260;	
18	<input checked="" type="checkbox"/>	<input type="checkbox"/>	US 6202060 B1	20010313	48	Data management system	707/3	707/104.1	
19	<input checked="" type="checkbox"/>	<input type="checkbox"/>	US 6175434 B1	20010116	10	Adaptive infrared communication apparatus	359/152	359/153; 359/161;	
20	<input checked="" type="checkbox"/>	<input type="checkbox"/>	US 6161009 A	20001212	10	Latency time determination system for a transceiver	455/423	455/425	
21	<input checked="" type="checkbox"/>	<input type="checkbox"/>	US 6157935 A	20001205	52	Remote data access and management system	707/503	382/187	
22	<input checked="" type="checkbox"/>	<input type="checkbox"/>	US 6144997 A	20001107	19	System and method for accessing and distributing electronic doc	709/217	707/500; 709/200;	

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Drafts  
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 L5: (111) in  
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US-PAT-NO: 6343217

DOCUMENT-IDENTIFIER: US 6343217 B1

TITLE: Digital cordless telephony with PCM coding

----- KWIC -----

Detailed Description Text - DETX (22):

In another embodiment, handset transceiver 110 is an infrared (IR) or other optical transceiver that communicates with other units by IR or visible-light signals transmitted either through open space or optical fibers. In this embodiment of the transceiver, transmitter output stage 260T is an optical source, such as an LED or a diode laser, that generates an optical transmit signal 265T modulated with the baseband transmit signal 255T. The optical

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	U	I	Document I	Issue Da	Page	Title	Current O	Current XR	Retrieval
8	<input type="checkbox"/>	<input type="checkbox"/>	US 6354842 B1	20020312	8	Rolling toy with motion recording and playback capabilities	434/365	434/258; 446/436;	
9	<input type="checkbox"/>	<input type="checkbox"/>	US 6343217 B1	20020129	12	Digital cordless telephony with PCM coding	455/462	375/243; 375/254;	
10	<input checked="" type="checkbox"/>	<input type="checkbox"/>	US 6336142 B1	20020101	18	Methods and apparatus for downloading data between an inf	709/227	709/217; 709/232;	
11	<input checked="" type="checkbox"/>	<input type="checkbox"/>	US 6304261 B1	20011016	8	Operating system for handheld computing device having program	345/702		
12	<input checked="" type="checkbox"/>	<input type="checkbox"/>	US 6301035 B1	20011009	6	Component for optical data transmission	359/152	359/163	
13	<input checked="" type="checkbox"/>	<input type="checkbox"/>	US 6295482 B1	20010925	23	Electronic newspaper vending machine	700/233	700/231; 700/235;	
14	<input checked="" type="checkbox"/>	<input type="checkbox"/>	US 6269342 B1	20010731	22	Programmable shelf tag system	705/20	235/383; 705/21	
15	<input checked="" type="checkbox"/>	<input type="checkbox"/>	US 6232880 B1	20010515	18	Animal control system using global positioning and instrument	340/573.3	119/421; 119/721;	

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Detailed Description Text - DETX (28):

In the preferred embodiment, hardwired or wireless data communications links are included in the device to allow communication with a dedicated hand-held device or external computer. In a particularly preferred embodiment, the data communications link between the microprocessor and the external world include RF (portable radio and cellular telephones) or infrared (IR) transceivers . For example, by using an IR transceiver the microprocessor may communicate through a wireless link with any lap top computer equipped with an IrDA interface. The user may directly access the microprocessor through cellular communication links, or communication may be automatically established with the animal whenever it passes through a predetermined area. In either case it is possible

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	U	I	Document I	Issue Da	Page	Title	Current O	Current XR	Retrieval
8	<input type="checkbox"/>	<input type="checkbox"/>	US 6354842	20020312	8	Rolling toy with motion recording and playback capabili	434/365	434/258;	
9	<input type="checkbox"/>	<input type="checkbox"/>	US 6343217	20020129	12	Digital cordless telephony with PCM coding	455/462	446/436;	
10	<input type="checkbox"/>	<input type="checkbox"/>	US 6336142	20020101	18	Methods and apparatus for downloading data between an inf	709/227	375/243;	
11	<input type="checkbox"/>	<input type="checkbox"/>	US 6304261	20011016	8	Operating system for handheld computing device having program	345/702	709/217;	
12	<input type="checkbox"/>	<input type="checkbox"/>	US 6301035	20011009	6	Component for optical data transmission	359/152	709/232;	
13	<input type="checkbox"/>	<input type="checkbox"/>	US 6295482	20010925	23	Electronic newspaper vending machine	700/233	359/163	
14	<input type="checkbox"/>	<input type="checkbox"/>	US 6269342	20010731	22	Programmable shelf tag system	705/20	700/231;	
15	<input type="checkbox"/>	<input type="checkbox"/>	US 6232880	20010515	18	Animal control system using global positioning and instrume	340/573.3	700/235;	

FIG. 5 is an illustration that shows how the remote control unit 130 can be used to transfer data from another computing device 400 into the navigation system installed in the vehicle 110. The other computing device 400 may be a personal computer, such as a notebook computer, a desktop computer, a Palm-Pilot.RTM.-type device, or other type of device. The other computing device 400 includes a communications port 406 that is compatible with the communications link (350 in FIG. 4) of the remote control unit 130. In one embodiment, the communications port 406 of the other computing device 400 is implemented by an IR port. The IR port may be attached as a peripheral device with cabling to a serial port or a USB (universal serial bus) port of the computing device 400. Alternatively, the IR port may be built into the external computing device 400.

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	U	I	Document I	Issue Da	Page	Title	Current O	Current XR	Retrieval
1			US 6356662 B1	20020312	5	Method of efficiently handling digitized data through	382/234	375/240.1	
2			US 6334160 B1	20011225	12	Apparatus and method for providing multiple protocols	710/11	710/105; 710/31	
3			US 6247085 B1	20010612	8	Method and apparatus for removable peripheral user	710/305	710/2; 710/62;	
4			US 6182006 B1	20010130	13	Navigation system remote control unit with data caddy	701/200	340/989; 340/990;	
5			US 5956291 A	19990921	10	Underwater diving assistant apparatus	367/131	367/134	
6			US 5931434 A	19990803	4	Protector for remote control devices	248/345.1	206/305	
7			US 5845151	19991201	8	System using descrinter and	710/27	710/22;	

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Yet another problem with smaller computers is how to conveniently and effectively include the full complement of input/output (I/O) ports necessary for interconnecting both legacy devices as well as more contemporary peripherals. To remain compatible with the vast majority of devices, notebook computers generally include legacy ports for interconnecting external devices such as mice, keyboards, monitors, and printers. These ports, defined years ago, are relatively large and bulky by today's standards, especially with respect to notebook computer having a thin housing. In addition to these legacy ports, modern peripherals require yet even additional ports including USB (universal serial bus), infrared, network (10baseT), and audio/video to name a few. Ultimately, the sheer size and quantity of these ports make it difficult to conveniently incorporate all or even most on today's smaller computers. This problem is further aggravated by the need to provide proprietary ports for connecting external disk drives and CD-ROMS as already discussed above.

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1			US 6290517 B1	20010918	13	Fold out port group for portable computer	439/131		